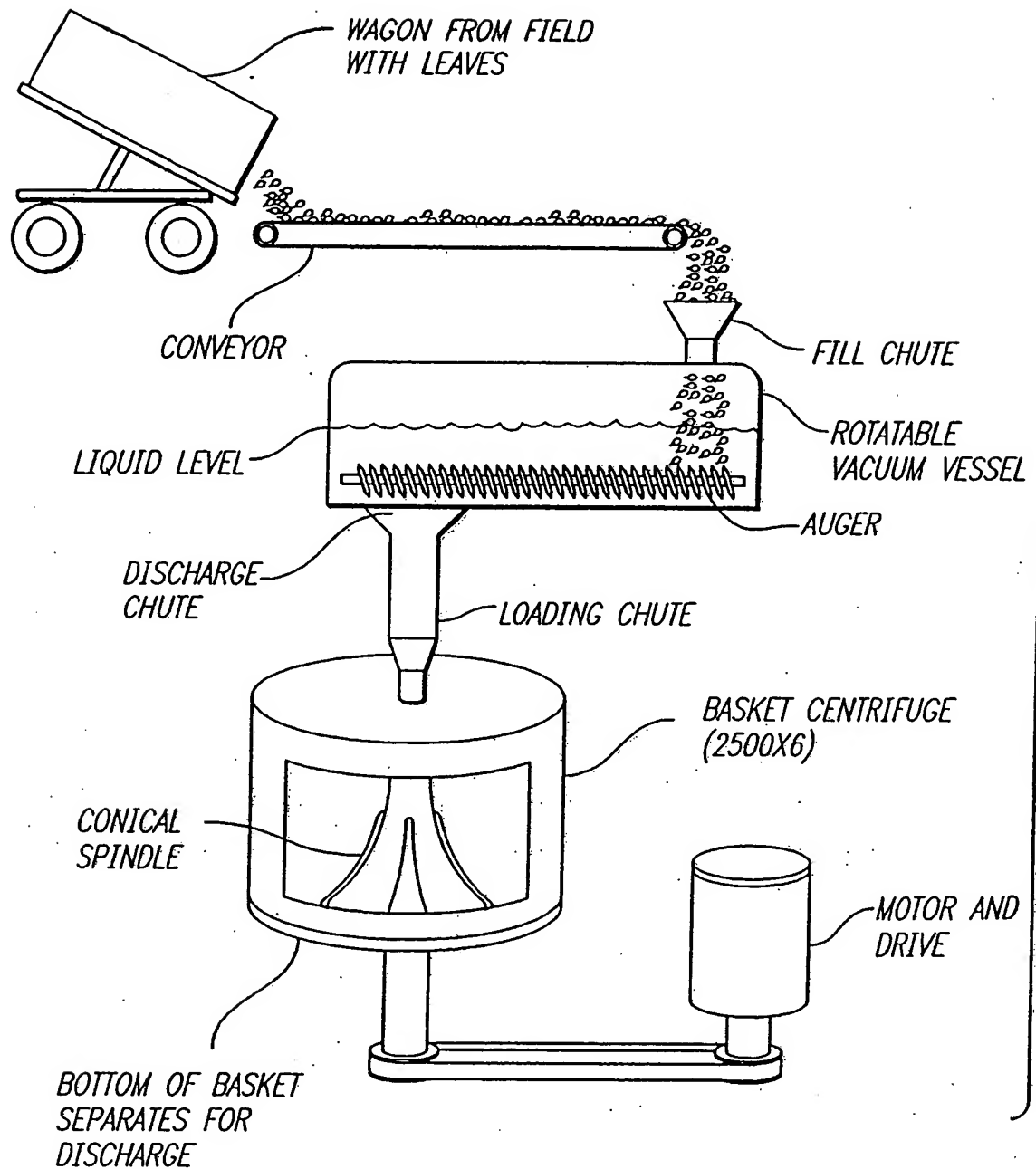


## BATCH VESSEL INFILTRATION

FIG. 2



## CONTINUOUS VACUUM INFILTRATION

FIG. 3

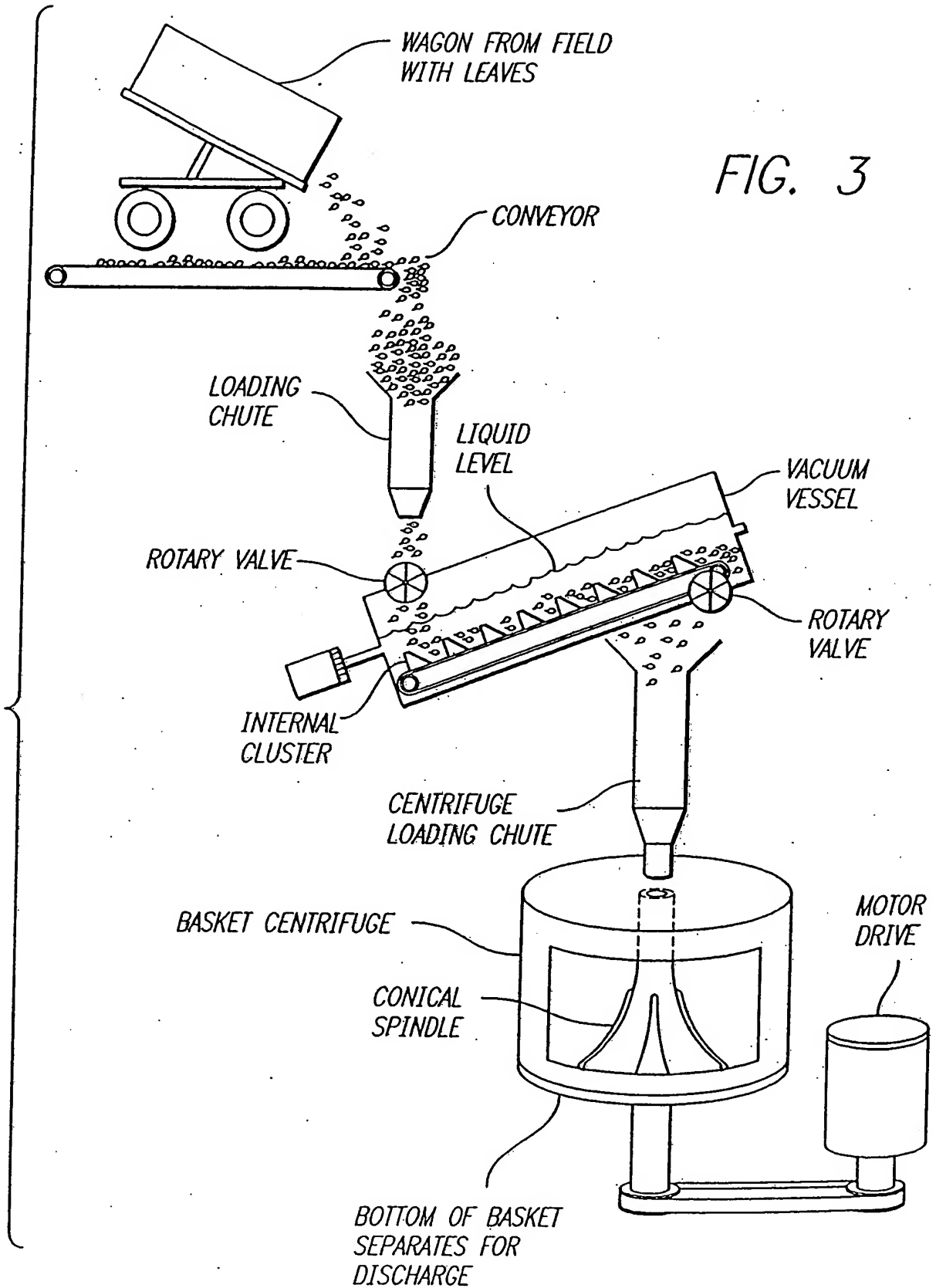


FIG. 4

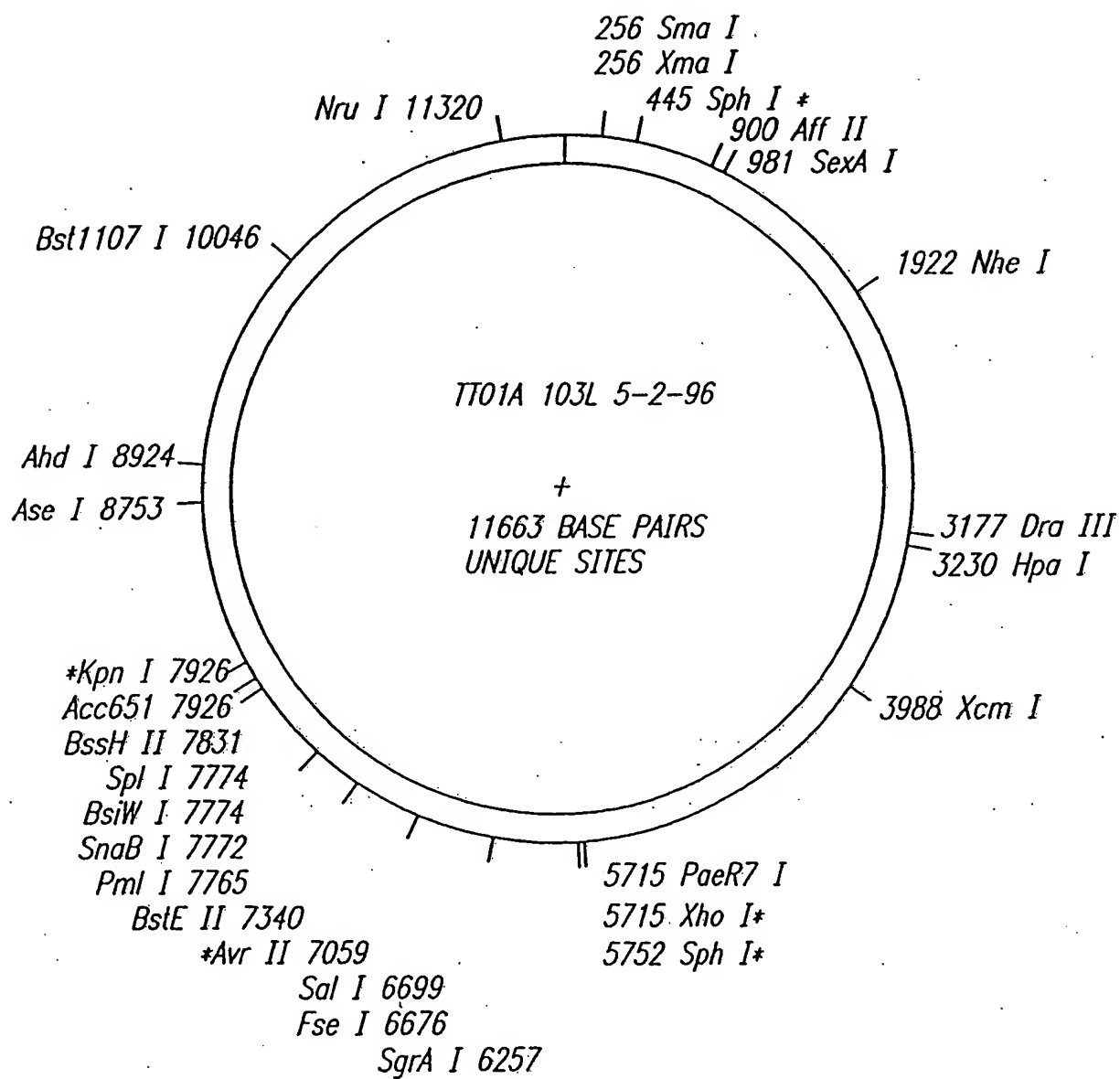


FIG. 5-A

TT01A 103L Viral cDNA

	10	20	30	40	50	60	70	80
1	gtatttttac	aacaattacc	aacaacaaca	aacaacaac	aacattacaa	ttactattta	caattacaat	ggcatatACA 80
81	CAGACAGCTA	CCACATCAGC	TTTGCTGGAC	ACTGTCCGAG	GAACAACACTC	CTTGGTCAAT	GATCTAGCAA	AGCGTCGTCT 160
161	TTACGACACA	GCGGTTGAAG	AGTTTAACGC	TCGTGACCGC	AGGCCCAAGG	TGAACTTTTT	AAAAGTAATA	AGCGAGGAGC 240
241	AGACGCTTAT	TGCTACCCGG	GCGTATCCAG	AATTCCAAAT	TACATTTTAT	AACACGCAAA	ATGCCGTGCA	TTGCTTGCA 320
321	GGTGGATTGC	GATCTTTAGA	ACTGGAATAT	CTGATGATGC	AAATCCCTA	CGGATCATTG	ACTTATGACA	TAGGCGGGAA 400
401	TTTTGCATCG	CATCTGTTCA	AGGACGAGC	ATATGTACAC	TGCTGCATGC	CCAACCTGGA	CGTTCGAGAC	ATCATGCGGC 480
481	ACGAAGGCCA	GAAGACAGT	ATTGAACTAT	ACCTTTCTAG	GCTAGAGAGA	GGGGGGAAAA	CAGTCCCCAA	CTTCCAAAAG 560
561	GAAGCATTTG	ACAGATACGC	AGAAATTCTT	GAAGACGCTG	TCTGTACAA	TACTTTCCAG	ACAATGCGAC	ATCAGCCGAT 640
641	GCAGCAATCA	GGCAGAGTGT	ATGCCATTGC	GCTACACAGC	ATATATGACA	TACCAGCCGA	TGAGTTCGGG	GCGGCACTCT 720
721	TGAGSAAAAA	TGTCCATACG	TGCTATGCCG	CTTCCACTT	CCTGAGAAC	CTGCTTCTTG	AAGATTICATA	CGTCAATTG 800
801	GACGAAATCA	ACGCGTGTTT	TTGCGCGGAT	GGAGACAAGT	TGACCTTTTC	TTTTGCATCA	GAGAGTACTC	TTAATTATTG 880
881	TCATAGTTAT	TCTAATATTC	TTAAGTATGT	GTGCAAAACT	TACTTCCCGG	CCTCTAATAG	AGAGGTTTAC	ATGAAGGAGT 960
961	TTTTAGTCAC	CAGAGTTAAT	ACCTGGTTTT	GTAAAGTTTT	TAGAATAGAT	ACTTTTCTTT	TGTACAAAGG	TGTGGCCCAT 1040
1041	AAAAGTGTAG	ATAGTGAGCA	GTTTTATACT	GCAATGGAAG	ACGCATGGCA	TTACAAAAAG	ACTCTTGCAA	TGTGCAACAG 1120
1121	CGAGAGAATC	CTCCTTGAGG	ATTCAATCATC	AGTCAATTAC	TGGTTTCCCA	AAATGAGGGA	TATGGTCATC	GTACCATTAT 1200
1201	TCGACATTTT	TTTGGAGACT	AGTAAGAGGA	CGCGCAAGGA	AGTCTTAGTG	TCCAAGGATT	TCGTGTTTAC	AGTGCCTAAC 1280
1281	CACATTTCGA	CATACCAGGC	GAAAGCTCTT	ACATACGCAA	ATGTTTTGTC	CITTTGTGAA	TCGATTTCGAT	CGAGGGTAAT 1360
1361	CATTAAACGGT	GTGACAGCGA	GGTCCGAATG	GGATGTGGAC	AAATCTTTGT	TACAATCCTT	GTCCATGACG	TTTTACCTGC 1440
1441	ATACTAAGCT	TGCCGTTCTA	AAGGATGACT	TACTGATTAG	CAAGTTTAGT	CTCGGTTTCA	AAACGGTGTG	CCAGCATGTG 1520
1521	TGGGATGAGA	TTTCGCTGGC	GTTTGGGAAC	GCAITTTCCCT	CCGTGAAAGA	GAGGCTCTTG	AACAGGAAAC	TTATCAGAGT 1600
1601	GGCAGGCGAC	GCATTAGAGA	TCAGGGTGCC	TGATCTATAT	GTGACCTTCC	ACGACAGATT	AGTGACTGAG	TACAAGGCCT 1680
1681	CTGTGGACAT	GCCTGCGCTT	GACATTAGGA	AGAAGATGGA	AGAAACGGAA	GTGATGTACA	ATGCACCTTC	AGAGTTATCG 1760
1761	GTGTTAAGGG	AGTCTGACAA	ATTTCGATGT	GATGTTTTTT	CCCAGATGTG	CCAATCTTTG	GAAGTTGACC	CAATGACGGC 1840
1841	AGCGAAGGTT	ATAGTCGCGG	TCATGAGCAA	TGAGAGCGGT	CTGACTCTCA	CATTTGAACG	ACCTACTGAG	GCGAATGTTG 1920
1921	CGCTAGCTTT	ACAGGATCAA	GAGAAGGCTT	CAGAAGGTGC	TTTGGTAGTT	ACCTCAAGAG	AAGTTGAAGA	ACCGTCCATG 2000
2001	AAGGGTTCCA	TGGCCAGAGG	AGAGTTACAA	TTAGCTGGTC	TTGCTGGAGA	TCATCCGGAG	TCGTCTATT	CTAAGAACGA 2080
2081	GGAGATAGAG	TCTTTAGAGC	AGTTTCATAT	GGCAACGGCA	GATTTCGTTAA	TTCGTAAGCA	GATGAGCTCG	ATTGTGTACA 2160
2161	CGGGTCCGAT	TAAAGTTTCA	CAAAATGAAA	ACTTTATCGA	TAGCTGGTA	GCATCACTAT	CTGCTGCGGT	GTCGAATCTC 2240
2241	GTCAAGATCC	TCAAAGATAC	AGCTGCTATT	GACCTTGAAA	CCCGTCAAAA	GTTTGGAGTC	TTGGATGTTG	CATCTAGGAA 2320

FIG. 5-B

2321 GTGGTTAATC AACCAACGG CCAAGAGTCA TGCATGGGT GTTGTGAAA CCCACGCGAG GAAGTATCAT GTGGGCGTTT 2400  
 2401 TGAATATGA TGAGCAGGT GTGGTGACAT GCGATGATTG GAGAAGAGTA GCTGTCAGCT CTGAGTCTGT TGTATATCC 2480  
 2481 GACATGGCGA AACTCAGAAC TCTGCGCAGA CTGCTTCGAA ACGGAGAACC CGATGTCAGT AGCGCAAAGG TTGTTCTTGT 2560  
 2561 GGACGGAGTT CCGGGCTGTG GGAAAACCAA AGAAATTCCT TCCAGGGTTA ATTTTGATGA AGATCTAATT TTAGTACCTG 2640  
 2641 GGAAGCAAGC CGCGAAATG ATCAGAAGAC GTGCGAATTC CTCAGGGATT ATTGTGGCCA CGAAGGACAA CGTTAAAACC 2720  
 2721 GTTGATTCTT TCATGATGAA TTTTGGGAAA AGACACAGCT GTCAATTCAA GAGGTIATTC ATTGATGAAG GGTGATGTT 2800  
 2801 GCATACTGGT TGTGTTAATT TTCTTGTGGC GATGTCATTG TGCSAAATTG CATATGTTTA CCGAGACACA CAGCAGATTC 2880  
 2881 CATACATCAA TAGAGTTTCA GGATTCCTGT ACCCGGCCA TTTTGCCAAA TTGGAAGTTG ACGAGGTGGA GACACGCAGA 2960  
 2961 ACTACTCTCC GTTGTCCAGC CGATGTCACA CATTATCTGA ACAGGAGATA TGAGGGCTTT GTCATGAGCA CTTCCTCGT 3040  
 3041 TAAAAAGTCT GTTTCGCAGG AGATGGTCGG CGGAGCCGCC GTGATCAATC CGATCTCAA ACCCTTGCAT GGCAAGATCC 3120  
 3121 TGACTTTTAC CCAATCGGAT AAAGAAGCTC TGCCTTCAAG AGGTAATTCA GATGTTTACA CTGTGCATGA AGTGCAAGGC 3200  
 3201 GAGACATACT CTGATGTTTC ACTAGTTAGG TTAACCCCTA CACCAGTCTC CATCAATTGCA GGAGACAGCC CACATGTTTT 3280  
 3281 GGTCGCATTG TCAAGGCACA CCTGTTGCT CAAGTACTAC ACTGTTGTTA TGGATCCTTT AGTTAGTATC ATTAGAGATC 3360  
 3361 TAGAGAAACT TAGCTCGTAC TTGTTAGATA TGTATAAGGT CGATGCAGGA ACACAATAGC AATTACAGAT TGACTCGGTG 3440  
 3441 TTCAAAGGTT CCAATCTTTT TGTTCAGCG CCAAGACTG GTGATATTC TGATATGCAG TTTTACTATG ATAAGTGTCT 3520  
 3521 CCCAGGCAAC AGCACCATGA TGAATAATTT TGATGCTGTT ACCATGAGGT TGACTGACAT TTCATTGAAT GTCAAAGATT 3600  
 3601 GCATATTGGA TATGCTAAG TCTGTTGCTG CGCCTAAGGA TCAAATCAA CCACTAATAC CTATGGTACG AACGGCGCA 3680  
 3681 GAAATGCCAC GCCAGACTGG ACTATTGGAA AATTTAGTGG CGATGATTAA AAGGAACITTT AACGCACCCG AGTTGCTGG 3760  
 3761 CATCATTTGAT ATTGAAATA CTGCATCTTT AGTTGTAGAT AAGTTTTTG ATAGTTATTT GCTTAAAGAA AAAAGAAAAC 3840  
 3841 CAAATAAAAA TGTTCTTTG TTCAGTAGAG AGTCTCTCAA TAGATGGTTA GAAAAGCAGG AACAGGTAAC AATAGGCCAG 3920  
 3921 CTCGCAGATT TTGATTTTGT AGATTTGCCA GCAGTTGATC AGTACAGACA CATGATTAA GCACAACCCA AGCAAAAATT 4000  
 4001 GGACACTTCA ATCCAAACGG AGTACCCGGC TTTCGACAG ATTGCTGACC ATTCAAAAA GATCAATGCA ATATTTGGCC 4080  
 4081 CGTTGTTTAG TGAGCTTACT AGGCAATTAC TGGACAGTGT TGATTCGAGC AGATTTTTGT TTTTCACAAG AAAGACACCA 4160  
 4161 GCGCAGATTG CGGATTTCTT CGGAGATCTC GACAGTCTAT TGCCGATGGA TGTCTTGGAG CTGGATATAT CAAAATACGA 4240  
 4241 CAAATCTCAG AATGAATTC ACTGTGCAGT AGAATACGAG ATCTGGCGAA GATTGGGTTT TGAAGACTTC TTGGGAGAAG 4320  
 4321 TTTGGAACA AGGGCATAGA AAGACCACCC TCAAGGATTA TACCGCAGGT ATAAAACITT GCATCTGGTA TCAAGAAAAG 4400  
 4401 AGCGGGGACG TCACGACGTT CATTGGAAAC ACTGTGATCA TTGCTGCATG TTTGGCCTCG ATGCTTCCGA TGGAGAAAAT 4480  
 4481 AATCAAAGGA GCCTTTTGGC GTGACGATAG TCTGCTGTAC TTTCCAAAGG GTTGTGAGTT TCCGGATGTG CAACACTCCG 4560  
 4561 CGAATCTTAT GTGGAATTTT GAAGCAAAAC TGTTTAAAA ACAGTATGGA TACTTTTGGG GAAGATATGT AATACATCAC 4640  
 4641 GACAGAGGAT GCATTGTGTA TTACGATCCC CTAAAGTTGA TCTCGAAACT TGGTGCTAAA CACATCAAGG ATTGGGAACA 4720

FIG. 5-C

4721 CTTGGAGGAG TTCAGAAGGT CTCITTTGTGA TGTTGCTGTT TCGTTGAACA ATTGTGCGTA TTACACACAG TTGGACGACG 4800  
 4801 CTGTATGGGA GGTTCATAAG ACCGCCCTC CAGGTTCTGT TGTTTATAAA AGTCTGGTGA AGTATTGTC TGATAAAGTT 4880  
 4881 CTTTTTAGAA GTTTGTTTAT AGATGGCTCT AGTTGTTAAA GGAAGAAGTGA ATATCAATGA GTTTATCGAC CTGACAAAAA 4960  
 4961 TGGAGCCGAT CTTACCGTGG ATGTTTACCC CTGTAAAGAG TGTATGTGT TCCAAAGTTG ATAAATAAT GGTTCATGAG 5040  
 5041 AATGAGTCAT TGTACAGAGT GAACCTTCTT AAAGGAGTTA AGCTTATTGA TAGTGGATAC GTCTGTTTAG CCGGTTTGGT 5120  
 5121 CGTCACGGC GAGTGGAACT TGCCTGACAA TTGCAGAGGA GGTGTGAGCG TGTGTCTGGT GGACAAAAGG ATGGAAGAG 5200  
 5201 CCGACGAGGC CACTCTCGGA TCTTACTACA CAGCAGCTGC AAAGAAAAGA TTTCAGTTCA AGGTCGTTCC CAATTATGCT 5280  
 5281 ATAACCAACC AGGACGCGAT GAAAAACGTC TGGCAAGTTT TAGTTAATAT TAGAAATGTG AGATGTCAG CGGGTTTCTG 5360  
 5361 TCCGCTTCT CTGGAGTTTG TGTGCGTGTG TATTGTTTAT AGAATAATA TAAATTAGG TTTGAGAGAG AAGATTACAA 5440  
 5441 ACGTGAGAGA CGGAGGGCCC ATGGAACCTTA CAGAAGAAGT CGTTGATGAG TTCATGGAAG ATGTCCTAT GTCGATCAGG 5520  
 5521 CTTGCAAAGT TTCGATCTCG AACCGGAAAA AAGAGTGATG TCCGCAAGG GAAAAATAGT AGTAATGATC GGTCAAGTCC 5600  
 5601 GAACAAGAAC TATAGAAATG TTAAGGATTT TGGAGGAATG AGTTTAAAA AGAATAATT AATCGATGAT GATTGAGG 5680  
 5681 CTACTGTGC CGAATCGGAT TCGTTTTAAA TACGCTCGAG ATCAATCATC CATCTCCGA GTGTGCTGC AGCATGCAGG 5760  
 5761 TGCTGAACAC CATGGTGAAC AAACACTTCT TGTCCTTTC GGTCTCATC GTCTCTCCTC CAACTTGACA 5840  
 5841 GCCGGGCAAG TCCGTGTTCA GGGATTCAAC TGGGAGTCGT GGAAGGAGAA TGCGGGTGG TACAACCTCC TGATGGCAA 5920  
 5921 GGTGACGAC ATCGCCGCGAG CCGGCATCAC CCACGTCTGG CTCCTCCGC CGTCTCACTC TGTCGGAGAG CAAGGCTACA 6000  
 6001 TGCCTGGCG GCTGTACGAT CTGGACGCGT CTAAGTACGG CAACGAGGCG CAGCTCAAGT CGCTGATCGA GCGGTTCCAT 6080  
 6081 GGCAAGGGCG TCCAGGTGAT CGCCGACATC GTCATCAACC ACCGCACGGC GGAGCACAAAG GACGGCCGAG GCATCTACTG 6160  
 6161 CCTCTTCGAG GCGGGGACGC CCGACTCCCG CCTCGACTGG GGCCCGCACA TGATCTGCCG CGACGACCCC TACGGCGATG 6240  
 6241 GCACCGCAA CCGGACACC GCGCGGACT TCGCCGCCGC GCCGGACATC GACCACCTCA ACAAGCGGT CCAGCGGAG 6320  
 6321 CTCATTGGCT GGCTCGACTG GCTCAAGATG GACATCGGT TCGACGCGTG GCGCTCGAC TTCGCCAAGG GCTACTCCGC 6400  
 6401 CGACATGGCA AAGATCTACA TCGACGCCAC CGAGCCGAGC TTGCGCGTGG CCGAGATATG GACGTCCATG GCGAACGGCG 6480  
 6481 GGGACGGCAA GCCGAACCTAC GACCAGAAGC CGCACCGGA GGAGCTGGT AACTGGGTGG ATCGTGTGG CCGCGCCAAC 6560  
 6561 AGCAACGGCA CGGCGTTTCA CTTACCAACC AAGGGCATCC TCAACGTGC CGTGGAGGGC GAGCTGTGGC GCCTCCGCG 6640  
 6641 CGAGGACGGC AAGGCGCCG GCATGATCGG GTGGTGGCCG GCCAAGGCGA CGACCTTCTG CGACAACCAAC GACACCGGT 6720  
 6721 CGACGCAGCA CCTGTGGCCG TTCCCTCTCG ACAAGGTCTAT GCAGGGCTAC GCATACATCC TCACCCACCC CCGCAACCCA 6800  
 6801 TGCATCTTCT ACGACCATTT CTTCGATTGG GGCTCAAGG AGGAGATCGA GCGCCTGGTG TCAATCAGAA ACCGGCAGG 6880  
 6881 GATCCACCCG GCGAGCGAGC TGGCATCAT GGAAGCTGAC AGCGATCTCT ACCTCGGGA GATCGATGC AAGGTGATCA 6960  
 6961 CAAAGATTGG ACCAAGATAC GACGTGGAAC ACCTCATCCC CGAAGGCTTC CAGGTCTGTC GGCACGGTGA TGGCTACGCA 7040  
 7041 ATCTGGGAGA AAATCTGACC taggctcgca agtttcgaa ccaaatcctc aaaaagggt ccgaaaaata ataataattt 7120

FIG. 5-D

7121	aggtaaagggg	cgttcaggcg	gaaggccctaa	acaaaaaagt.	tttgaatgaag	gttgataaat	ttgattgaag	7200
7201	atgaagccga	gacgtcggtc	gcgattctg	attcgatta	aatATGTCTT	ACTCAATCAC	TTCTCCATCG	CAATTTGTGT 7280
7281	TTTTGTCATC	TGTATGGGCT	GACCCCTATAG	AATTGTTAAA	CGTTTGTACA	AATTCGTTAG	GTAACCAAGTT	TCAAACACAG 7360
7361	CAAGCAAGAA	CTACTGTTCA	ACAGCAGTTC	AGCGAGGTGT	GGAAACCTTT	CCCTCAGAGC	ACCGTCAGAT	TTCCTGGCGA 7440
7441	TGTTTATAAG	GTGTACAGGT	ACAATGCAGT	TTTAGATCCT	CTAATTACTG	CGTTGCTGGG	GGCTTTTIGAT	ACTAGGAATA 7520
7521	GAATAATCGA	AGTAGAAAAAC	CAGCAGAGTC	CGACAACAGC	TGAAACGTTA	GATGCTACCC	GCAGGGTAGA	CGACGCTACG 7600
7601	GTTCGAATTC	GGTCTGCTAT	AAATAATTTA	GTTAATGAAC	TAGTAAGAGG	TACTGGACTG	TACAATCAGA	ATACTTTTGA 7680
7681	AAGTAIGICT	GGGTTGGICT	GGACCTCTGC	ACCTGCAICT	TAAATGCATA	ggtgctgaaa	tataaagt	gtgtttctaa 7760
7761	aacacacgtg	gtacgtacga	taacgtacag	tgtttttccc	tggacttaaa	tcgaagggtg	gtgtcttgga	gcgcgcggag 7840
7841	taaacaatata	tggttcatat	atgtccgtag	gcacgtaaaa	aaagcgaggg	attcgaattc	ccccggaacc	cccgggttggg 7920
7921	gcccaG							7926